IEIM, LOGSDON, PATENT COOPERATION TR HANSON PC

From the INTERNATIONAL SEARCHING AUTHORITY

RICHARD L. BYRNE WEBB ZIESENHEIM LOGSDON ORKIN & HANSON. P.C.

700 KOPPERS BUILDING 436 SEVENTH AVENUE PITTSBURGH, PA 15219-1818

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

Date of Mailing

	(day/month/year) 17 MAY 2002	
Applicant's or agent's file reference	FOR FURTHER ACTION See paragraphs 1 and 4 below	
International application No. PCT/US01/45007	International filing date (day/month/year) 80 NOVEMBER 2001	
Applicant ENVIROTROL, INC.		

1. X	The applicant is hereby notified that the international search report has been established and is transmitted herewith.	
	Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):	
	When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.	
	Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35	
	For more detailed instructions, see the notes on the accompanying sheet.	
2.	The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.	
s. 🗀	With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:	
Ш.	the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.	
•	no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.	

Reminders

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the presecribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the ISA/US Authorized officer Commissioner of Patents and Trademarks IVARS CINTINS Washington, D.C. 20231 Telephone No. (703) 308-0651 Facsimile No. (703) 305-3230

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: RICHARD L. BYRNE	PCT
WEBB ZIESENHEIM LOGSDON ORKIN & HANSON,	
P.C. 700 KOPPERS BUILDING	NOTIFICATION OF TRANSMITTAL OF
436 SEVENTH AVENUE	THE INTERNATIONAL SEARCH REPORT
PITTSBURGH, PA 15219-1818	OR THE DECLARATION
	Of The block in the second
	(PCT Rule 44.1)
	Date of Mailing (day/month/year) 17 MAY 2002
Applicant's or agent's file reference	FOR FURTHER ACTION See paragraphs 1 and 4 below
3576-011922	POR PORTIER ACTION See paragraphs 2 and 4 serow
International application No.	International filing date
PCT/US01/45007	(day/month/year) 30 NOVEMBER 2001
Applicant	
ENVIROTROL, INC.	
	·
V The applicant is hereby notified that the international	search report has been established and is transmitted herewith.
Filing of amendments and statement under Article The applicant is entitled, if he so wishes, to amend the	ne claims of the international application (see Rule 46):
· · ·	nts is normally two months from the date of transmittal of the
international search report.	
Where? Directly to the International Bureau of W	TPO, 34 chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile	
For more detailed instructions, see the notes on the	he accompanying sheet.
The applicant is hereby notified that no internationa Article 17(2)(a) to that effect is transmitted herewith.	I search report will be established and that the declaration under
	additional fee(s) under Rule 40.2, the applicant is notified that:
applicant's request to forward the texts of both	has been transmitted to the International Bureau together with the in the protest and the decision thereon to the designated Offices.
no decision has been made yet on the protest;	the applicant will be notified as soon as a decision is made.
4. Reminders	
applicant wishes to avoid or postpone publication, a notice of	onal application will be published by the International Bureau. If the withdrawal of the international application, or of the priority claim, is.1 and 90bis.3, respectively, before the completion of the technical
examination must be filed if the applicant wishes to postpone	t of some designated Offices, a demand for international preliminary the entry into the national phase until 30 months from the priority t, within 20 months from the priority date, perform the presecribed Offices.
In respect of other designated Offices, the time limit of 30 mo	nths (or later) will apply even if no demand is filed within 19 months.
See the Annex to Form PCT/IB/301 and, for details about th Guide, Volume II, National Chapters and the WIPO Internet site	e applicable time limits, Office by Office, see the PCT Applicant's
Name and mailing address of the ISA/US	Authorized officer
Commissioner of Patents and Trademarks	IN ARCHITING CERCEAH THOUSAS LOW
Box PCT Washington, D.C. 20231	IVARS CINTINS CENTRAL TRADES TO LOS
Facsimile No. (703) 305-3230	Telephone No. (703) 308-0651

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of (Form PCT/ISA/2:	Transmittal of International Search Report 20) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US01/45007	30 NOVEMBER 2001	30 NOVEMBER 2000
Applicant ENVIROTROL, INC.		
This international search report has bee according to Article 18. A copy is being	n prepared by this International Searching Au 5 transmitted to the International Bureau.	thority and is transmitted to the applicant
This international search report consist	ts of a total of 2 sheets.	
X It is also accompanied by a c	opy of each prior art document cited in this r	eport.
language in which it was filed, the international search was Authority (Rule 23.1(b)). b. With regard to any nucleotide		
was carried out on the basis of	the sequence listing: al application in written form.	
	national application in computer readable for	m
	is Authority in written form.	•••
	is Authority in computer readable form.	
	sequently furnished written sequence listing	does not go beyond the disclosure
in the the statement that the information	tion recorded in computer readable form is iden	
furnished.	unsearchable (See Box I).	
3. Unity of invention is lacking		
4. With regard to the title.		
X the text is approved as sub.	mitted by the applicant.	
	ed by this Authority to read as follows:	
5. With regard to the abstract,		
X the text is approved as sub	•	
the text has been establishe Box III. The applicant may, search report, submit comm	ed, according to Rule 38.2(b), by this Authorit within one month from the date of mailing of nents to this Authority.	y as it appears in this international
6. The figure of the drawings to be p	ublished with the abstract is Figure No	<u>-</u>
as suggested by the applica	nt.	None of the figures.
because the applicant failed	to suggest a figure.	
because this figure better c	haracterizes the invention.	

INTERNATIONAL SEARCH REPORT

International application No. PCT/US01/45007

A. CLASSIFICATION OF SUBJECT MATTER 1PC(7) :B01D 15/00; B01J 20/20; C01B 31/12; C02F 1/28		
US CL :210/694; 502/426 According to International Patent Classification (IPC) or to both	national classification and IPC	
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed	by classification symbols)	
U.S. : 210/694, 502.1; 502/426		
Documentation searched other than minimum documentation to searched	the extent that such documents are i	ncluded in the fields
Electronic data base consulted during the international search (n	ame of data base and, where practicable	, search terms used)
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category* Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.
X US 5,348,755 A (ROY) 20 September	1994, col. 11, lines 34-56.	1, 7-12 and 14
Y		2-6, 13, 15 and 16
X US 5,437,797 A (HELMIG) 01 Augus	t 1995, col. 2, lines 23-24.	1, 9, 17, 22, 23 and 28
Y		2-6, 10-16, 18, 19, 24 and 25
X US 5,626,820 A (KINKEAD et al.) 06	May 1997, col. 9, lines 26-	1 and 7-9
 Y		2-6 and 10-16
X Further documents are listed in the continuation of Box C	C. See patent family annex.	
Special categories of cited documents: "A" document defining the general state of the art which is not	"T" later document published after the int date and not in conflict with the app the principle or theory underlying the	lication but cited to understand
considered to be of particular relevance "E" earlier document published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone	e claimed invention cannot be
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the considered to involve an inventive	step when the document is
"O" document referring to an oral disclosure, use, exhibition or other means	combined with one or more other suc being obvious to a person skilled in	the art
"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same pater	
Date of the actual completion of the international search 18 APRIL 2002	Date of mailing of the international se	earch report
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT	Authorized officer	
Washington, D.C. 20231	IVARS CINTINS Telephone No. (703) 308-0651	

INTERNATIONAL SEARCH REPORT

International application No. PCT/US01/45007

40 and 53.	Category*	Citation of document, with indication, where appropriate, of the relevant passages	1, 2, 6-12 and 14	
3-3, 13, 15 and 116	<			
	 {	40 and 33.		
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NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty and of the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these N tes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

The claims only.

The description and the drawings may only be amended during international preliminary examination under Chapter II.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A seplacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confounded with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

-The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.